



10th Grade

Exploration Activities
Results
for
the Student Portfolio

THE EMPLOYEE OF THE 21ST CENTURY

1. I VIEW COMPUTERS AS:
_____ a. An important tool
_____ b. A necessary evil.
_____ c. I don't want anything to do with them.
2. If I need to learn a new procedure while working on a computer, I:
_____ a. Get out my manual and figure out how to do it.
_____ b. Get help from someone who knows what to do.
_____ c. Give up-it takes too much time and I didn't want to do it anyway.
3. I think of technology as:
_____ a. Something we all need to know and understand.
_____ b. I don't think about it much.
_____ c. Unnecessary-I don't need these new gadgets.
4. When I get my diploma at graduation, I will probable think:
_____ a. This is just the beginning of my education.
_____ b. About what I'm going to do now.
_____ c. Thank goodness, no more school.
5. When I have a question about something, I:
_____ a. Look up the answer or call someone who should know.
_____ b. Make a mental note to keep my eyes open for the answer.
_____ c. Forget about it-it probably wasn't important anyway.
6. I think of change:
_____ a. As an opportunity.
_____ b. With caution.
_____ c. With resistance.
7. If, halfway through a project, I see that my plan for completing it won't work, I would:
_____ a. Rethink my plan and come up with a better one.
_____ b. Worry about the project and hope to come up with a better plan someday.
_____ c. Lose interest and scrap the project.
8. When I'm around people from other countries:
_____ a. I appreciate their diversity.
_____ b. I'm curious-but cautious.
_____ c. I'm uncomfortable with people who are not like me.
9. The idea of traveling to other countries:
_____ a. Sounds exciting to me.
_____ b. Is of some interest to me.
_____ c. Does not interest me at all.
10. Learning at least one other language:
_____ a. Is important for everyone.
_____ b. Is probable a good idea.
_____ c. Is unnecessary-I can get by speaking only English.

Scoring: a=3 points, b=2 points, c=1 point. If your total is 20-30, you already have the attitudes that will make you a valued employee in the 21st century.

(Source: Expanding Options: An Equity Resource Guide, developed by Jenny L. Erwin, published by the Vocational Equity Office, Mississippi Dept. of Education, Jackson, MI., June 1993, p.4-94)

NAME:

Date:

SOPHOMORE CAREER PLANNER
Questionnaire

Occupations from the MBTI that were most interesting to me:

1. _____
2. _____
3. _____
4. _____
5. _____

Aptitudes that I would most like to use in an occupation:

1. _____
2. _____
3. _____
4. _____
5. _____

Occupations from the SDS that were most interesting to me:

3. _____
4. _____
5. _____
6. _____
7. _____

After considering everything I know about myself and the information I gained from my assessments, some careers, clusters, or pathways I am currently considering for my future include:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

To be successful in my chosen field(s) I know my plan will include:

- G getting a job
- G entering an apprenticeship
- G joining the armed services
- G attending a vocational / technical school
- G attending a community or junior college
- G attending a four year college
- G completing post graduate work
- G other _____

To be successful in my career decision-making, I need more information on:

<p align="center">Educational Plan - Update</p>
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Educational Goal: ☐ Technical School ☐ Two Year College ☐ Other
 ☐ Four Year College ☐ High School ☐ Military
 School Choice #1: _____
 School Choice #2: _____

Career Goal:

Arts/Communication	_____
Business/Management	_____
Health Services	_____
Human Resources	_____
Industrial/Engineering	_____
Natural Resources	_____

High School Course-Work Plan

XX

Freshman		Sophomore	
English	English	English	English
Science	Science	Science	Science
Math	Math	Math	Math
Social Studies	Social Studies	Health	Speech
Keyboarding	Reading		

XX

Junior		Senior	
English	English	English	English
US History	US History	Government	Government
Consumer Economics			

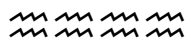
Extra Curricular Activities:

Student Signature *date*

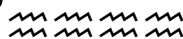
date

Parent Signature
date

date



Where Am I Going?



OCCUPATION GOALS

Look back at your Clusters—Career Families and Occupation Odyssey worksheets on pages 18 to 21. Select one or more clusters or occupations that still interest you—that you want to pursue as career paths. Check the goal and complete the statements below.

- ☐ During high school, I want to explore the following career areas (occupation clusters):

<hr/>	<hr/>
<hr/>	<hr/>

- ☐ I want to prepare to be (occupation titles):

<hr/>	<hr/>
<hr/>	<hr/>

EDUCATION GOALS

Many education options, like attending a four-year college or beginning a “tech prep” program, require special preparation in high school. You need to know what this preparation is and add these options to your career goals. Remember, graduating from high school is a requirement for most occupations.

- ☐ I want to graduate from high school.

<hr/>	<hr/>
<hr/>	<hr/>

- ☐ After high school, I want to study (list at least four program of study and training titles):

<hr/>	<hr/>
<hr/>	<hr/>

- ☐ After high school, I plan to continue my education or training at (name places that offer the programs of study you listed):

<hr/>	<hr/>
<hr/>	<hr/>

Take a few minutes to review your goals. Do they reflect what you know about yourself? Also review your **Who Am I?** worksheet. How do the two worksheets match up? If you need to, rethink and rewrite your goals.

MEDICAL LABORATORY TECHNOLOGIES

File: Programs of Study & Training

OVERVIEW

Medical laboratory programs involve the study of human blood, other body fluids, and tissues, using clinical laboratory instruments.

There are three types of medical laboratory programs: medical technology, medical laboratory technician-associate, and medical laboratory technician-certificate. Medical technology programs prepare students to perform and analyze complex laboratory tests, to research and develop laboratory techniques, and to supervise medical laboratory technicians. Programs consist of three or four years of college course work followed by one year of clinical laboratory experience. The clinical experience is conducted at hospitals. Some hospital programs are affiliated with a college that awards a bachelor's degree after three or four years of college course work and one year of clinical experience. Other hospital programs are not affiliated with a specific college. These programs usually require a bachelor's degree for program entry. Master's and doctoral degree programs are offered in specialty areas within medical laboratory technologies.

Medical laboratory technician-associate programs are available in some states. They prepare students to perform supervised clinical laboratory testing and to report the results of routine procedures. These are two-year associate degree programs offered at two- and four-year colleges, private and public vocational schools, and hospital schools.

Medical laboratory technician-certificate programs are designed to train students to assist medical laboratory staff with routine laboratory tests. These one-year certificate programs are offered at hospitals, community colleges, and private and public vocational schools.

Some states require medical technologists and medical laboratory technicians-associate to be licensed. (See the Medical Laboratory Workers occupation).

PROGRAM ADMISSION

A high school diploma or its equivalent is usually required for admission to these programs in trade schools, community colleges, and four-year colleges and universities. Many four-year colleges and universities also require ACT or SAT scores. Applicants should have a background in chemistry, biology, and math.

Applicants to the one-year hospital clinical experience need a bachelor's degree that includes specific course work in biological sciences, math, and chemistry.

Sample excerpt from Idaho Career Information System.

Undergraduate students should meet with an advisor during their freshman year to set up an appropriate undergraduate curriculum.

For most schools, completing the three-year pre-technical college course work does not guarantee admission into the clinical program. Enrollment in these programs is limited and competitive. Contact the schools for information on letters of recommendation, deadlines, and other admissions requirements.

TYPICAL COURSE WORK

Instruction methods include lecture and laboratory work. Medical technologists programs usually include classes in the following subjects:

- Algebra
- Biological Sciences
- Biomedical Instruction
- Chemistry (including Biochemistry and Organic Chemistry)
- Genetics
- Immunology
- Lab Procedures
- Management
- Physics
- Quantitative Analysis
- Trigonometry

Other courses in the first three years include general bachelor's degree requirements.

The course work for medical laboratory technicians associate and certificate programs varies because of the different length of the two programs. However, both programs include work in the following areas:

- Basic Principles of Clinical Laboratory
- Body Fluids
- Chemistry
- Hematology
- Immunohematology (Blood Banking)
- Immunology
- Laboratory Procedures
- Microbiology
- Parasitology

Sample excerpt from Idaho Career Information System.

All medical laboratory programs require students to have laboratory experience, usually in a hospital setting. Students use computers in some courses for spreadsheets, databases, instructional modules, and word processing.

THINGS TO KNOW

Important factors to consider when choosing a school are: school accreditation, the number of graduates who get jobs, costs, instruction facilities, and faculty qualifications.

Program Specialities

- 38313 Cytotechnology
- 38316 Laboratory Animal Medicine
- 3831 9 Laboratory Technologies
- 38323 Medical Laboratory Technology
- 38326 Medical Technology

REFERENCES

For a list of accredited medical laboratory programs approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), write: National Accrediting Agency for Clinical Laboratory Sciences 841 0 West Bryn Mawr Avenue, Suite 670 Chicago, IL 60631

Phone: (312) 714-8880

Fax: (312) 714-8886

E-mail: naacls@mcs.net

Internet: <http://www.mcs.net/-naacls>

For a list of training programs accredited by the Accrediting Bureau of Health Education Schools, write:

Accrediting Bureau of Health Education Schools

803 West Broad Street, Suite 730

Falls Church, VA 2204

Phone: (703)533-2082

E-mail: abhes@erols.com

Internet: <http://www.abhes.org>

CAREER PATHWAY

Health Services

Sample excerpt from Idaho Career Information System.

RELATED PROGRAMS

Chemistry Programs
Life Sciences
Medical Assisting
Medical Imaging Technologies
Medicine and Premedicine
Nursing Programs
Pharmacy Programs
Veterinary Technology
Science Technologies
Specialized Health Technologies

RELATED OCCUPATIONS

Medical Assistants
Medical Laboratory Technicians
Medical Technologists
Phlebotomists

RELATED FINANCIAL AID

AID FOR STUDY IN HEALTH FIELDS

EASTERN IDAHO AREA SCHOOLS

Idaho State University - Pocatello:

'MEDICAL TECHNOLOGY': Bachelor's degree program which consists of the completion of the four-year curriculum for the Bachelor of Science degree in microbiology and a fifth year in an approved medical internship program at an affiliated hospital. During that fifth year the student earns an additional 32 credits in medical technology internship and a Bachelor of Science in medical technology. Accredited by the National Accrediting Agency for Clinical Laboratory Sciences.

'MICROBIOLOGY/MEDICAL TECHNOLOGY EMPHASIS': Four-year bachelor's degree program.

Ricks College - Rexburg:

'MEDICAL TECHNOLOGY': Two-year associate degree transfer program.

Sample excerpt from Idaho Career Information System.

NORTHERN IDAHO AREA SCHOOLS

North Idaho College - Coeur d'Alene:

'BACTERIOLOGY/MEDICAL TECHNOLOGY': Two-year associate degree transfer program.

University of Idaho - Moscow:

'MEDICAL TECHNOLOGY': "Four Plus One" Bachelor's degree program offered through the University's affiliation with training hospitals in the Pacific Northwest. Students complete a B.S. degree in Microbiology during the first four years. During the students' senior (4th) year, he/she should apply to an accredited hospital. One additional year at an affiliate hospital is sufficient to obtain a second B.S. degree in Medical Technology. The student is then eligible for certifying examination by the American Society for Clinical Pathologists.

SOUTH CENTRAL IDAHO AREA SCHOOLS

College of Southern Idaho - Twin Falls:

'PRE-PROFESSIONAL MEDICAL TECHNOLOGY': Two-year associate degree transfer program.

'MULTI-SKILLED HEALTH ASSISTANT': 11-month Technical Certificate program with classroom, laboratory, and clinical experiences. Clinical learning occurs in local health care agencies, hospitals, clinics, and residential living centers. Students will earn certificates as Certified Nursing Assistants, Mental Health Aides, and two other certificates of choice. These may include: Phlebotomy, Health Unit Coordinator, Food Service, Geriatric Care Specialist, Occupational Therapy Aide, and Physical Therapy Aid and Home Health Aid. There is a General Education core of classes. Program allows graduates to enter health care careers with multiple skills. Offered through the Department of Health Sciences and Human Services, CSI Technical Education Division. Pre-registration information is available from the department chairperson. Students in high school may begin the program while completing their high school education.

SOUTHWESTERN IDAHO AREA SCHOOLS

Boise State University - Boise:

'MEDICAL TECHNOLOGY': Bachelor's degree program. The student must first complete a bachelor's degree program in health science studies (see below) and then complete one year in a clinical program. After completion of clinical year the student is eligible for a second bachelor's degree in medical technology. (A clinical program site is no longer available in the Boise area.)

'HEALTH SCIENCE STUDIES': Bachelor's degree program qualifying the student for admission into hospital programs leading to certification as medical technologists. Upon admission to a hospital school affiliated with BSU and approved and accredited by the Committee on Allied Health Education, the student may register for and earn an additional 32 credits for medical technology clinical class and practice and apply for a Bachelor of Science degree in Medical Technology. Offered through the College of Health Science, Department of Health Studies.

Sample excerpt from Idaho Career Information System.

Northwest Nazarene College - Nampa:

'BIOLOGICAL SCIENCE': Bachelor of Science degree program designed to prepare students for graduate school and medical school. "Pre-Medical Technology" emphasis is designed to meet the specific prerequisites for admission to most schools of medical technology. Bachelor of Arts degree program designed for students who have goals other than graduate school or teaching. Teaching major available.

Sample excerpt from Idaho Career Information System.